

**MEMORANDUM OF UNDERSTANDING**

**Between**

**NATIONAL INSTITUTE OF DISASTER  
MANAGEMENT  
New Delhi, India**

**And**

**PUBLIC WORKS RESEARCH INSITUTE  
Tsukuba, Japan**

**2010**

# **MEMORANDUM OF UNDERSTANDING**

**Between**

**NATIONAL INSTITUTE OF DISASTER MANAGEMENT**

**New Delhi, India**

**And**

**PUBLIC WORKS RESEARCH INSTITUTE**

**Tsukuba, Japan**

**Whereas** the National Institute of Disaster Management (NIDM), New Delhi India is a statutory organization under the Ministry of Home Affairs, Government of India for the promotion of training, capacity building, research, documentation and consultancy activities in disaster management;

**Whereas** the Public Works research Institute (PWRI), Tsukuba Japan, is a premier institute under the Ministry of Land, Infrastructure and Transport, Government of Japan for the promotion of research on various aspects of construction management with particular focus on mitigation of various natural hazards;

**Whereas** collaboration between the NIDM and the PWRI on landslide risk management has been identified as one of the action areas under the Action Plan to Advance Security Cooperation between India and Japan;

## **Therefore**

Both the Institutes undertake to enter into this Memorandum of Understanding to allow them the opportunity and the instrument to develop and implement mutually beneficial and agreed upon programmes and activities.

## **SCOPE OF COOPERATION**

The collaboration between the two Institutes shall be related to mitigation and management of various types of natural hazards, with particular focus on landslide risk management.

## **SPECIFIC AREAS OF COOPERATION**

Both parties have further identified the following concrete areas of cooperation between the two organizations that can be taken up starting from the financial year 2010-11:

- (i) Exchange of technical knowledge and information in the fields of landslides and avalanche;

- (ii) Exchange of faculty members for advanced research and training on landslide and avalanche risk management;
- (iii) Conducting joint research programmes on early warning of landslides, slope stability analysis in different geo-environmental conditions and other issues as mutually agreed;
- (iv) Conducting training programmes and field visits on geo-hazards, particularly landslides and avalanches;
- (v) Organization of Workshop on landslide and avalanche risk management; and
- (vi) Publication of books, journals, pamphlets etc on subjects of mutual interests;

### METHOD OF IMPLEMENTATION

The specific programmes and activities to be taken up under this collaboration and the methods for their implementation shall be determined on the basis of mutual agreements between the two Institutes.

### GENERAL

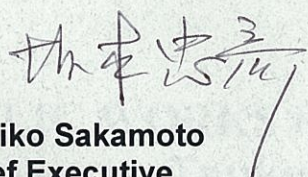
The specific programmes and activities taken up under this Memorandum of Understanding shall be subject to the applicable laws and regulations of each country and the related regulations of each Institute.

This Memorandum of Understanding shall remain in force for five years, after which it will end, unless renewed or modified by both Institutes.

Signed in English on two originals.

Date : 14/01/2010

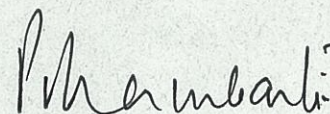
Place: Tsukuba



**Tadahiko Sakamoto**  
Chief Executive  
Public Works Research Institute  
Tsukuba, Japan

Date : 25.1.2010

Place: New Delhi



**P.G. Dhar Chakrabarti**  
Executive Director

**National Institute of Disaster Management  
Delhi, India**

**P. G. DHAR CHAKRABARTI, IAS**  
Executive Director  
National Institute of Disaster Management  
(Ministry of Home Affairs)  
LL.P.A. Campus I. P. Estate  
New Delhi-110002